iiyama
Vision&Technology

USER MANUAL

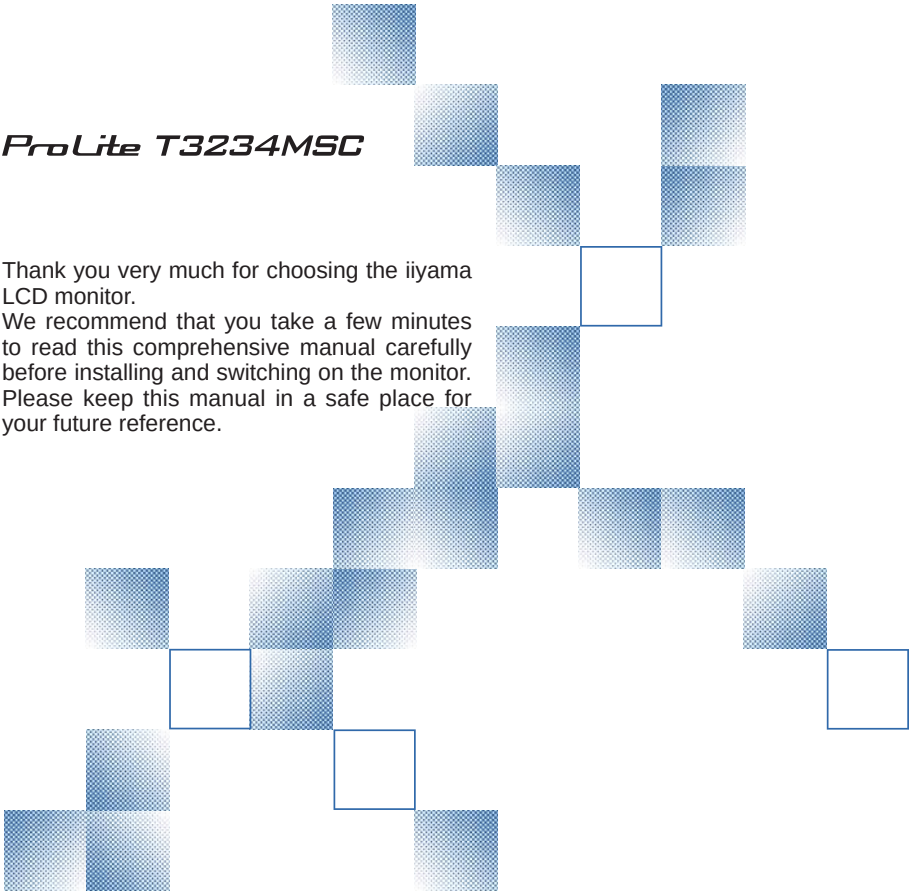
ProLite

LCD Monitor

ENGLISH

ProLite T3234MSC

Thank you very much for choosing the iiyama LCD monitor.
We recommend that you take a few minutes to read this comprehensive manual carefully before installing and switching on the monitor. Please keep this manual in a safe place for your future reference.



iiyama | Servicecard

Dear user, we congratulate you on the purchase of your iiyama LCD.

For details on warranty and locally used pixel policies that apply directly after installation of your product please check the iiyama website.

To report a fault, please contact your local support centre found at www.iiyama.com/service

Things to check before you call the iiyama information line

- if the power cable is connected securely and turned on?
- if the display has been turned on?
- if the signal cable is connected securely and the correct input selected?
- if the computer has been restarted with the display connected?
- if the graphics card is correctly installed with the latest drivers possible?
- if the correct native resolution has been selected via 'Display Properties'?
- If the R/G/B signal configuration is correct?
- if the displays On Screen Menu is shown?
- if the correct brightness and contrast settings have been set?
- if given display tolerances and compatibility have been considered?
- if via the On Screen Menu you have performed a Factory Reset/Recall?

Before reporting the screen defect, please prepare the following information/evidence:

- model number *
- purchase receipt and serial number *
- name and address for collection
- telephone/fax number, for availability during the day
- convenient collection date (date, time)
- short description of the defect

Important Note:

If there is no fault found in the collected equipment after inspection, the transferring party shall incur charges for transport and administration.

If you have checked all of the above and there is still no picture, call our information line for assistance in your country.

* see the identification plate on the back of the case.

CE MARKING DECLARATION OF CONFORMITY

This LCD monitor complies with the requirements of the EC/EU Directive 2004/108/EC “EMC Directive”, 2006/95/EC “Low Voltage Directive”, 2009/125/EC “ErP Directive” and 2011/65/EU “RoHS Directive”.

The electro-magnetic susceptibility has been chosen at a level that gives correct operation in residential areas, business and light industrial premises and small-scale enterprises, inside as well as outside of the buildings. All places of operation are characterised by their connection to the public low voltage power supply system.

IIYAMA CORPORATION: Wijkermeerstraat 8, 2131 HA Hoofddorp, The Netherlands

We recommend recycling of used product. Please contact your dealer or iiyama service center. Recycle information is obtained via the Internet, using the address: http://www.iiyama.com

You can access the Web page of different countries from there.

■ We reserve the right to change specifications without notice.
■ All trademarks used in this user manual are the property of their respective owners.

ENGLISH

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FOR YOUR SAFETY

SAFETY PRECAUTIONS

WARNING

STOP OPERATING THE MONITOR WHEN YOU SENSE TROUBLE

If you notice any abnormal phenomena such as smoke, strange sounds or fumes, unplug the monitor and contact your dealer or iiyama service center immediately. Further use may be dangerous and can cause fire or electric shock.

NEVER REMOVE THE CABINET

High voltage circuits are inside the monitor. Removing the cabinet may expose you to the danger of fire or electric shock.

DO NOT PUT ANY OBJECT INTO THE MONITOR

Do not put any solid objects or liquids such as water into the monitor. In case of an accident, unplug your monitor immediately and contact your dealer or iiyama service center. Using the monitor with any object inside may cause fire, electric shock or damage.

INSTALL THE MONITOR ON A FLAT, STABLE SURFACE

The monitor may cause an injury if it falls or is dropped.

DO NOT USE THE MONITOR NEAR WATER

Do not use where water may be splashed or spilt onto the monitor as it may cause fire or electric shock.

OPERATE UNDER THE SPECIFIED POWER SUPPLY

Be sure to operate the monitor only with the specified power supply. Use of an incorrect voltage will cause malfunction and may cause fire or electric shock.

PROTECT THE CABLES

Do not pull or bend the power cable and signal cable. Do not place the monitor or any other heavy objects on the cables. If damaged, the cables may cause fire or electric shock.

ADVERSE WEATHER CONDITIONS

It is advisable not to operate the monitor during a heavy thunder storm as the continual breaks in power may cause malfunction. It is also advised not to touch the plug in these circumstances as it may cause electric shock.

CAUTION

INSTALLATION LOCATION
Do not install the monitor where sudden temperature changes may occur, or in humid, dusty or smoky areas as it may cause fire, electric shock or damage. You should also avoid areas where the sun shines directly on the monitor.

DO NOT PLACE THE MONITOR IN A HAZARDOUS POSITION
The monitor may topple and cause injury if not suitably located. Please also ensure that you do not place any heavy objects on the monitor, and that all cables are routed such that children may not pull the cables and possibly cause injury.

MAINTAIN GOOD VENTILATION
Ventilation slots are provided to keep the monitor from overheating. Covering the slots may cause fire. To allow adequate air circulation, place the monitor at least 10 cm (or 4 inches) from any walls.
Do not remove the tilt stand when operating the monitor. Ventilation slots on the back of the cabinet will be blocked and the monitor may overheat if the stand is removed. This may cause fire or damage. Operating the monitor on its back, side, upside down or on a carpet or any other soft material may also cause damage.

DISCONNECT THE CABLES WHEN YOU MOVE THE MONITOR
When you move the monitor, turn off the power switch, unplug the monitor and be sure the signal cable is disconnected. If you do not disconnect them, it may cause fire or electric shock.

UNPLUG THE MONITOR
If the monitor is not in use for a long period of time it is recommended that it is left unplugged to avoid accidents.

HOLD THE PLUG WHEN DISCONNECTING
To disconnect the power cable or signal cable, always pull it by the plug. Never pull on the cable itself as this may cause fire or electric shock.

DO NOT TOUCH THE PLUG WITH WET HANDS
Pulling or inserting the plug with wet hands may cause electric shock.

WHEN YOU INSTALL THE MONITOR ON YOUR COMPUTER
Be sure the computer is strong enough to hold the weight of the monitor, otherwise, you may damage your computer.

CARE TO A HAND AND FINGERS!
- Careful attention is required not to catch your fingers or hands when you change the height or the angle.
- Injury can occur if care is not taken to avoid finger contact with the displays base when adjusting the height. (Just for height adjustable model.)

REMARK FOR 24/7 USAGE
This product is not specifically designed for 24/7 usage in all environments.

OTHERS

ERGONOMIC RECOMMENDATIONS
To eliminate eye fatigue, do not operate the monitor against a bright background or in a dark room. For optimal viewing comfort, the monitor should be just below eye level and 40-60 cm (16-24 inches) away from your eyes. When using the monitor over a prolonged time, a ten minute break every hour is recommended as looking at the screen continuously can cause eye strain.

SPECIAL NOTES ON LCD MONITORS

The following symptoms are normal with LCD monitors and do not indicate a problem.

NOTE

- When you first turn on the LCD monitor, the picture may not fit in the display area because of the type of computer that is used. In this case, adjust the picture position to the correct position.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- Due to the nature of the LCD screen, an afterimage of the previous screen may remain after switching the image, when the same image is displayed for hours. In this case, the screen is recovered slowly by changing the image or turning off the Power Switch for some hours.
- Max. non-stop operating time and conditions
  (1) If a static image is displayed continuously, it is recommended to disrupt it with a motion picture.
  (2) It is recommended to periodically change the background colour and background image.
  (3) It is recommended to operate the display for maximum 18 hours per day.
  (4) If the screen is active for a longer period of time, it is recommended to
  I. Run the screensaver (motion picture or black pattern)
  II. Power off the system for a while
  (5) Make sure that the screen is suitably ventilated, or is used in conjunction with climate control system if installed into any bespoke cabinets.
  (6) We strongly recommend an active cooling system with fans for long operating times, especially for high luminance LCD models.
- This LCD cannot be used outdoors.
- This LCD cannot be used with the screen facing upwards.
- If you use a cable longer than the supplied one, the picture quality is not guaranteed. Touch function can be disrupted if the USB cable length exceeds 3m.

CUSTOMER SERVICE

NOTE

- If you have to return your unit for service and the original packaging has been discarded, please contact your dealer or iiyama service center for advice or replacement packaging.

CLEANING

WARNING

- If you drop any materials or liquids such as water into the monitor when cleaning, unplug the power cable immediately and contact your dealer or iiyama service center.

NOTE

- To protect the Touch screen surface, do not scratch or rub the screen with a hard object.
- Never use any of the following strong solvents. These will damage the cabinet and the Touch screen surface.

  Abrasive cleaner Wax Solvent
- Touching the cabinet with any product made from rubber or plastic for a long time may cause degeneration or loss of paint on the cabinet.

CABINET Stains can be removed with a cloth lightly moistened with a mild detergent solvent. Then wipe the cabinet with a soft dry cloth.

TOUCH SCREEN Touch screen surface may be cleaned using a soft clean cloth moistened with mild window glass commercial cleaners or 50/50 mixture of water and isopropyl alcohol.

BEFORE YOU OPERATE THE MONITOR

FEATURES

- **Supports Resolutions up to 1920 × 1080**
- **High Contrast 3000:1 (Typical) / Brightness 350cd/m^2 (Typical) : ProLite T3234MSC-B1 / ProLite T3234MSC-B2 / ProLite T3234MSC-B2X**
- **High Contrast 3000:1 (Typical) / Brightness 450cd/m^2 (Typical) : ProLite T3234MSC-B3X**
- **Digital Character Smoothing**
- **Automatic Set-up**
- **Plug & Play VESA DDC2B Compliant**
  Windows® 95/98/2000/Me/XP/Vista/7 Compliant
- **Power Management (VESA DPMS Compliant)**
- **VESA Mounting Standard (400mm×200mm) Compliant**
- **IPX1 Standard Compliant (Only front face)**

■ **Windows8 touch environment**

Basic touch operations can be performed under Windows 8.
However, please be informed that full touch functionality and normal operational performance are not guaranteed.

CHECKING THE CONTENTS OF THE PACKAGE

The following accessories are included in your package. Check to see if they are enclosed with the monitor. If anything is missing or damaged, please contact your local iiyama dealer or regional iiyama office.

- Power Cable*[1] 2pcs
- VGA(D-sub) Signal Cable
- DVI-D Cable
- USB Cable
- Audio Cable
- Screw (M3x6mm)
- Touch Panel Driver Disk (CD-ROM)*[2]
- Safety Guide
- Quick Start Guide

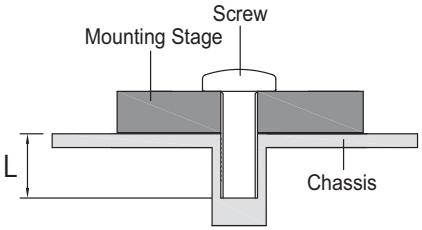
CAUTION

*[1] The rating of the Power Cable enclosed in 120V area is 10A/125V. If you are using a power supply higher than this rating, then a power cable with a rating of 10A/250V must be used. However, all guarantees and warranties are void for any problems or damage caused by a power cable not supplied by iiyama.

*[2] This CD-ROM contains the touch screen driver software.

WALL MOUNTING

WARNING When you use with the wall mounting, in consideration of thickness of the mounting stage, tighten the M6 Screw with washer which “L” length is 14mm to fasten the monitor. Using the screw longer than this may cause electric shock or damage because it may contact with the electrical parts inside the monitor.

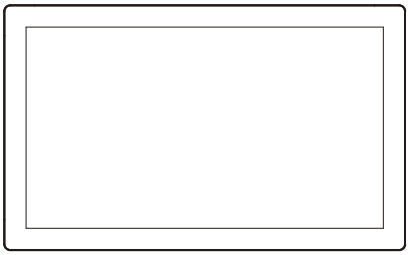


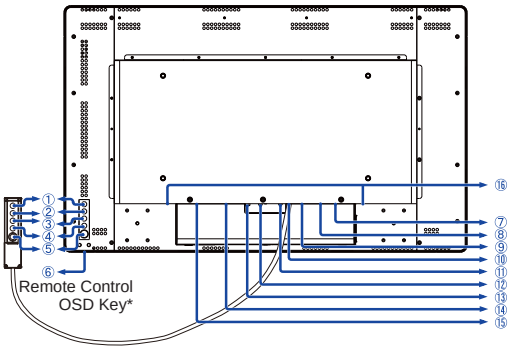
BUILT-IN EQUIPMENT

WARNING This product is not designed for the purpose of being used in high temperature environment.

If the product is placed in an external cabinet, you need to design cooling fans and vents to keep the temperature low enough to fit in the product temperature specification.

CONTROLS AND CONNECTORS





<Front>

<Back>

① Menu Button (MENU)*

② Scroll Up / Brightness Button (△)*

③ Scroll Down / Mute Button (▽)*

④ Select / Auto Button (SELECT)*

⑤ Power Switch (⏻)*

⑥ Power Indicator

NOTE Green: Normal operation
Orange: Power Management

⑦ USB Connector (USB)

⑧ RS232C output Connector (COM OUT)

⑨ RS232C input Connector (COM IN)

⑩ Remote Control OSD Key Connector (Remote Key)

⑪ Audio output Connector (AUDIO OUT)

⑫ Audio input Connector (AUDIO IN)

⑬ VGA(D-sub) mini 15pin Connector (VGA IN)

⑭ DVI-D 24pin Connector (DVI IN)

⑮ AC Connector (AC IN)

⑯ Speakers

* Remote Control OSD key is optional.

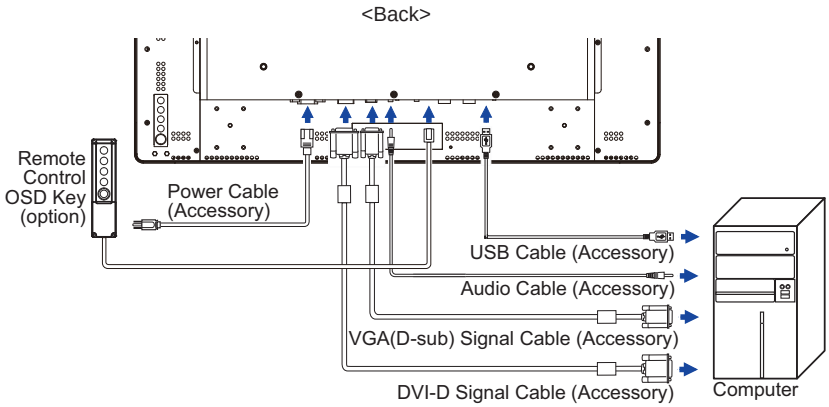
CONNECTING YOUR MONITOR

① Ensure that both the computer and the monitor are switched off.
② Connect the computer to the monitor with the signal cable.
③ Connect the computer to the monitor with the USB Cable.
④ Connect the monitor to the audio equipment with the Audio Cable for computer when using the audio features.
⑤ Connect the monitor cable to the Remote Control OSD key (option), if necessary.
⑥ Connect the Power Cable to the monitor first and then to the power supply.
⑦ Turn on your monitor and computer.

NOTE

- The signal cables used for connecting the computer and monitor may vary with the type of computer used. An incorrect connection may cause serious damage to both the monitor and the computer. The cable supplied with the monitor is for a standard connector. If a special cable is required please contact your local iiyama dealer or regional iiyama office.
- For connection to Macintosh computers, contact your local iiyama dealer or regional iiyama office for a suitable adaptor.
- Make sure you tighten the finger screws at each end of the Signal Cable.

[Example of Connection]

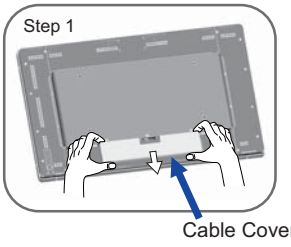


[Fitting and Removal of Cable Cover]

Put a piece of soft cloth on the table beforehand to prevent the monitor from being scratched. Lay the monitor flat on a table with front face down.

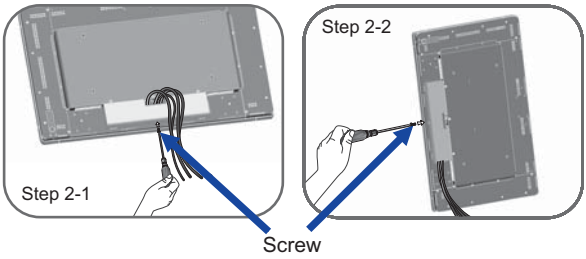
< Removal >

Remove the cable cover as shown in Step 1.



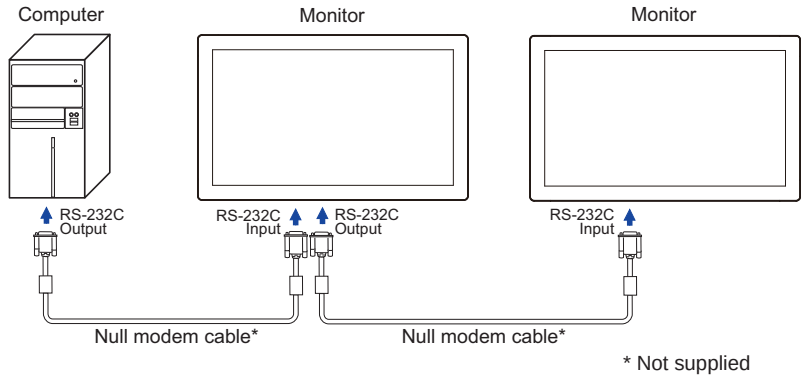
< Fitting >

When cables are connected as shown in Step 2-1 or Step 2-2, place the cable cover and fix it firmly using a screw.



[Controlling the Monitor via RS-232C Remote Control]

The monitor can be controlled by connecting a PC with a RS-232C terminal.
Use the Null modem cable to enable it.



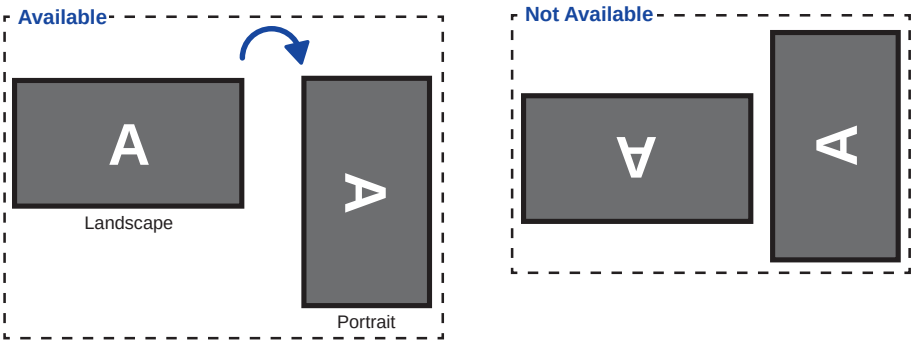
NOTE

Two RS-232C Ports are reserved for this option.
Before using the remote control function, design a custom firmware based on your own application program and communication protocol.

[Rotating the Display]

It is designed to be compatible in both landscape and portrait modes, however, it is optimized for landscape mode.

Note that the OSD orientation cannot be changed in the OSD menu.



TOUCH SCREEN DRIVER INSTALLATION

This monitor is available with USB connection.

NOTE

1. This monitor is Microsoft® Windows® HID(Human Interface Device) compatible if you use the USB touch screen interface. No additional software driver is required for general operation of the touch screen.
2. For this monitor, the system requires 15 seconds for Windows® 7 to install/uninstall the touch drivers while turning power ON/OFF or PLUGGING/UNPLUGGING USB cable.

■ TOUCH support operation system

Microsoft Windows XP (64 bit and 32 bit)
Microsoft Windows Vista (64 bit and 32 bit)
Microsoft Windows 7 (64 bit and 32 bit)
Microsoft Windows 8 / 8.1 (64 bit and 32 bit)
Microsoft Windows CE 2.13 / 3.0, net 6.0
Mac OS9.x, OS X V10.4/10.5/10.6 & above
Linux (Kernel2.4, 2.6x) & above
Not support earlier versions.

	Windows8/8.1	Windows7*5	Windows7*4	Vista	XP
Default mouse*1	○	○	○	○	○
Touch digitizer*2	○	○	○	○	×
Windows7 gestures*3	○	○	×	×	×

	2K	Windows CE	XP Embedded	Mac OS9,OSX	Linux
Default mouse*1	○	○	○	○	○
Touch digitizer*2	×	×	×	×	×
Windows7 gestures*3	×	×	×	×	×

*1 Default mouse (click, drag, double-click and right-click)
*2 Touch digitizer (click, drag /selection, double-click, right-click, flick and visual feedback)
*3 Digitizer with Windows7 touch gestures
*4 Windows 7 - Starter and Home Basic version
*5 Windows 7 - Home Premium, Professional, Enterprise and Ultimate versions

■ **Calibration Tool Install (This tool in the attached Touch Panel Driver Disk)**

When using the monitor for the first time, install tool without fail, and please execute calibration tool.

1. Open the Touch Panel Driver Disk (CD-ROM).
2. Select ProLite MSC/MC series.
3. Click 32".
4. Please clcik Calibration to start it.

NOTE

Do not touch the screen during executing calibration tool.

5. After a few seconds, calibration is completed and "Calibration OK" message is displayed.
6. Exit to close the calibration tool.

COMPUTER SETTING

■ Signal Timing

Change to the desired signal timing listed on page 27: COMPLIANT TIMING.

■ Windows 95/98/2000/Me/XP/Vista/7 Plug & Play

The iiyama LCD monitor complies with DDC2B of VESA standard. The Plug & Play function runs on Windows 95/98/2000/Me/XP/Vista/7 by connecting the monitor to DDC2B compliant computer with the Signal Cable supplied.

For installation on Windows 95/98/2000/Me/XP: The monitor Information File for iiyama monitors may be necessary for your computer and obtained via the Internet, using the address:

http://www.iiyama.com

NOTE

- For additional information on how to download the driver for your touch screen monitor, please access the internet site noted above.
- Monitor Drivers are not required in most cases for Macintosh or Unix operating systems. For further information, please contact your computer dealer first for advice.

■ Procedure for turning ON the Power Switch

Turn ON the monitor first, and then the computer.

■ Touch screen driver software

Touch screen driver software and system may not start when you start your computer while touching the screen.

Touch screen driver software may not run due to the power saving function depending on the BIOS of your computer. In this case, set the power saving function to off.

OPERATING THE MONITOR

To create the best picture, your iiyama LCD monitor has been preset at the factory with the COMPLIANT TIMING shown on page 27. You are also able to adjust the picture by following the button operation shown below. For more detailed adjustments, see page 17 for SCREEN ADJUSTMENTS.

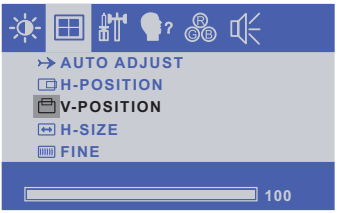
① **Press the MENU Button to start the On Screen Display feature. There are additional Menu items which can be switched by using the △ / ▽ Buttons.**

② **Select the Menu item which contains the adjustment icon relating to the adjustment you want to make. Use the SELECT Button to highlight the desired adjustment icon.**

③ **Use the △ / ▽ Buttons to make the appropriate adjustment or setting.**

④ **Press the MENU Button to leave the menu, and the settings you just made would be automatically saved.**

For example, to correct for vertical position, select Menu item of . Then, select V-POSITION by using the SELECT Button.
Use the △ / ▽ Buttons to change the vertical position settings. The vertical position of the overall display should be changing accordingly while you are doing this.



Press the MENU Button lastly, it ends, all changes are saved in the memory.

NOTE

- When button operations are aborted during adjustment, On-Screen Display disappears when the time set for the OSD TIMEOUT has passed.
- MENU button can be used to return previous menu item.
- Any changes are automatically saved in the memory when the On Screen Display disappears. Turning off the power should be avoided while using the Menu.
- Adjustments for H/V-POSITION, H-SIZE and FINE are saved for each signal timing. Except for these adjustments, all other adjustments have only one setting which applies to all signal timings.

ADJUSTMENT MENU CONTENTS

Adjustment Item	Problem / Option	Button to Press
CONTRAST	Too dull Too intense	△ ▽
BRIGHTNESS * **Direct**	Too dark Too bright	△ ▽

* Adjust the Brightness when you are using the monitor in a dark room and feel the screen is too bright.

Direct

You can skip the Menu items and display an adjustment scale directly by using the following button operations.

- BRIGHTNESS: Press the △ Button when the Menu is not displayed.
- CONTRAST: Press the ▽ Button when the Menu is not displayed.

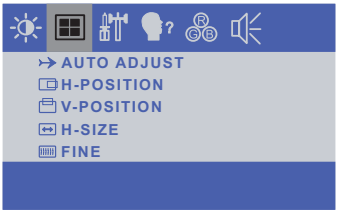
Direct

- LOCK MODE:
  Press the MENU button to display the OSD menu. Pressing and holding the MENU button again and press the Power Switch.
  * The OSD menu is not displayed when the OSD is locked. Pressing and holding the MENU button again and press the Power Switch.
  The following OSD menu is displayed.

Adjustment Item	Problem / Option	
POWER	LOCK	The POWER SWITCH is Locked.
	UNLOCK	The POWER SWITCH is Unlocked.
OSD	LOCK	The OSD menu is Locked.
	UNLOCK	The OSD menu is Unlocked.

- TOUCH FANCTION DISABLE:
  ON: Pressing and holding of the MENU Button and the SELECT Button at the same time when the Menu is not displayed, massage "TOUCH DISABLE" will appear on the top right corner.
  OFF: Pressing and holding of the MENU Button and the SELECT Button at the same time for about 5 seconds when the Menu is not displayed, till "TOUCH DISABLE" disappears.

Only Analog Input



Adjustment Item	Problem / Option	Button to Press
AUTO ADJUST *1 **Direct**	Adjust H/V-POSITION, H-SIZE and FINE automatically.	
H-POSITION	Too left Too right	△ ▽
V-POSITION	Too low Too high	△ ▽
H-SIZE *2	Too narrow Too wide	△ ▽
FINE *2	To correct flickering text or lines	△ ▽

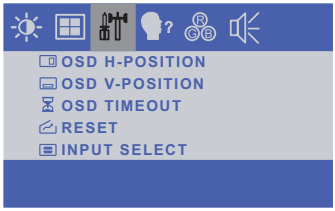
*1 For best results, use the Auto Adjust in conjunction with the adjustment pattern. See page 17 for SCREEN ADJUSTMENTS.

*2 See page 17 for SCREEN ADJUSTMENTS.

Direct

You can skip the Menu items and display an adjustment scale directly by using the following button operations.

- AUTO ADJUST: Press the SELECT Button when the Menu is not displayed.

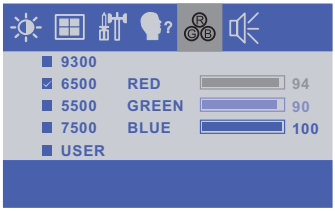


Adjustment Item	Problem / Option		Button to Press
OSD H-POSITION	OSD is too left OSD is too right		◁ ▷
OSD V-POSITION	OSD is too low OSD is too high		△ ▽
OSD TIMEOUT	You can set the OSD display duration time between 5 and 60 seconds.		△ ▽
RESET	Factory-preset data is restored.		
INPUT SELECT	AUTO*	Select the signal input automatically.	
	VGA	Select the analog input.	
	DVI	Select the digital input.	

NOTE When only one of the two signal inputs is connected to the signal source, the one connected is automatically selected. Input Select function is not available if there is no signal input from the selected connector or during the power management mode.

* Available for ProLite T3234MSC-B2X / T3234MSC-B2 / T3234MSC-B3X only.

Adjustment Item	Problem / Option			
OSD LANGUAGE	ENGLISH	English	ESPAÑOL	Spanish
	FRANÇAIS	French	日本語	Japanese
	DEUTSCH	German	繁体字	Traditional Chinese
	ITALIANO	Italian	简体字	Simplified Chinese



Adjustment Item	Problem / Option		Button to Press
COLOR TEMP.	9300	Bluish white	
	6500	Reddish white	
	5500	Greenish white	
	7500	Yellowish white	
	USER	RED	Too weak △ Too strong ▽
		GREEN	
		BLUE	

Adjustment Item	Problem / Option		Button to Press
VOLUME	Too soft Too loud		△ ▽
MUTE **Direct**	ON	Turn off the sound temporarily.	
	OFF	Return the sound volume to the previous level.	

Direct

You can skip the Menu items and display an adjustment scale directly by using the following button operations.

- MUTE : Press the ▽ Button when the Menu is not displayed.

  : MUTE ON
  : MUTE OFF

SCREEN ADJUSTMENTS

Adjust the image by following the procedure below to get the desired picture when selecting Analog input.

- The screen adjustments described in this manual are designed to set image position and minimize flicker or blur for the particular computer in use.
- The monitor is designed to provide the best performance at resolution of 1920 × 1080, but can not provide the best at resolutions of less than 1920 × 1080 because the picture is automatically stretched to fit the full screen. It is recommended to operate at resolution of 1920 × 1080 in normal use.
- Displayed text or lines will be blurred or irregular in thickness when the picture is stretched due to the screen enlargement process.
- It is preferable to adjust the image position and frequency with the monitor controls, rather than the computer software or utilities.
- Perform adjustments after a warm-up period of at least thirty minutes.
- Additional adjustments may be required after the Auto Adjust depending on the resolution or signal timing.
- The Auto Adjust may not work correctly when displaying the picture other than the screen adjustment pattern. In this case, manual adjustments are required.

There are two ways to adjust the screen. One way is automatic adjustment for H/V-POSITION, H-SIZE and FINE. The other way is performing each adjustment manually.
Perform the Auto Adjust first when the monitor is connected to a new computer, or resolution is changed. If the screen has a flicker or blur, or the picture does not fit in the display area after performing the Auto Adjust, manual adjustments are required. Both adjustments should be made by using the screen adjustment pattern (Test.bmp) obtained via the IIYAMA web site (http://www.iiyama.com).

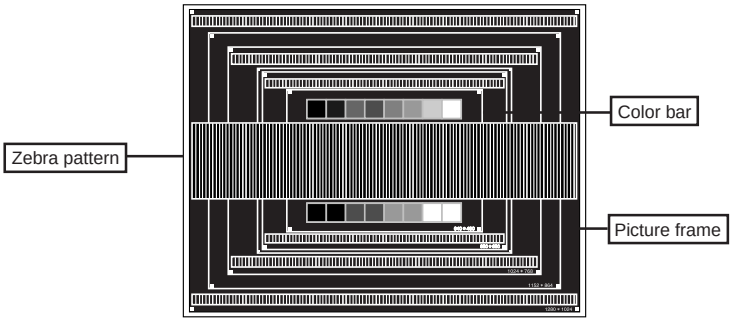
Adjust the image by following the procedure below to get the desired picture.
This manual explains adjustment under Windows 95/98/2000/Me/XP/Vista/7.

① **Display the picture at the optimum resolution.**

② **Enter the Test.bmp (screen adjustment pattern) to wallpaper.**

NOTE
- Consult the appropriate documentation for doing this.
- Test.bmp is made at resolution of 1280 × 1024. Set the display position to center in the wallpaper setting dialogue box. If you use Microsoft® PLUS! 95/98 cancel the setting of “Stretch desktop wallpaper to fit the screen”.

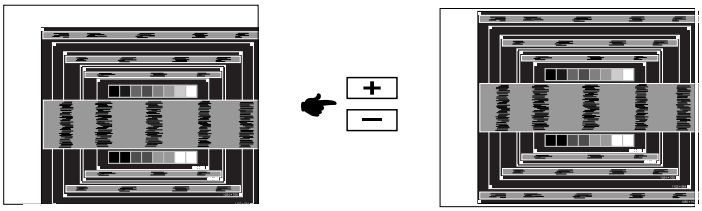
[Adjustment pattern]



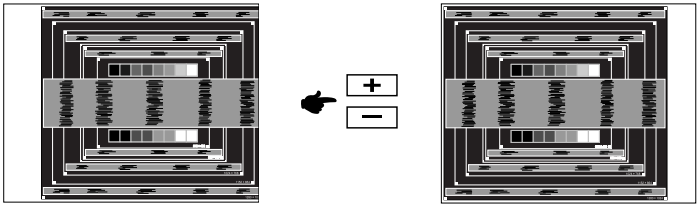
③ **Press the SELECT Button. (AUTO ADJUST)**

④ **Adjust the image manually by following procedure below when the screen has a flicker or blur, or the picture does not fit in the display area after performing the Auto Adjust.**

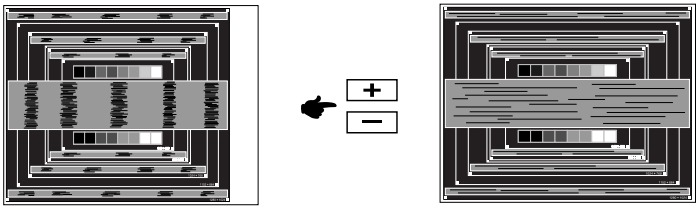
⑤ **Adjust the V-POSITION so that the top and bottom of the picture frame will fit to the display area.**



⑥ **1) Adjust the H-POSITION so that the left side of the picture frame will move to the left edge of the display area.**



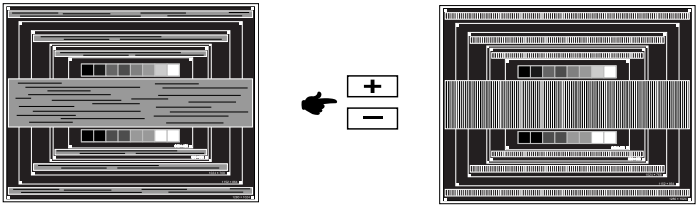
2) Stretch the right side of the picture frame to the right edge of the display area by adjusting the H-SIZE.



NOTE

- When the left side of the picture frame moves apart from the left edge of the display area during the H-SIZE adjustment, adjust steps 1) and 2).
- Another way to make the H-SIZE adjustment is to correct the vertical wavy lines in the zebra pattern.
- The picture may flicker during the H-SIZE, H/V-POSITION adjustment.
- In case the picture frame is bigger or smaller than the data display area after the H-SIZE adjustment, repeat steps from ③.

⑦ **Adjust the FINE to correct horizontal wavy noise, flicker or blur in the zebra pattern.**



NOTE

- In case the strong flicker or blurs remain on a part of the screen, repeat steps ⑥ and ⑦ because the H-SIZE may not be adjusted correctly. If the flicker or blurs still remain, set the refresh rate of computer to low (60Hz) and repeat steps from ③ again.
- Adjust the H-POSITION after the FINE adjustment if the horizontal position moves during the adjustment.

⑧ **Adjust the Brightness and Color to get the desired picture after you complete the H-SIZE and FINE adjustments.**

Put back your favorite wallpaper.

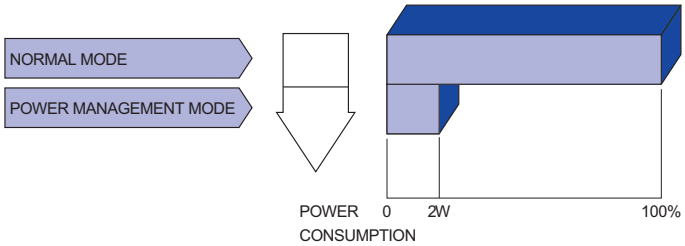
POWER MANAGEMENT FEATURE

When your computer is not in use, the power management feature will automatically reduce the power consumption of your monitor.

To use the feature, the monitor needs to be connected to a VESA DPMS compliant computer. There is a power management step the monitor takes as described below. The power management function, including any timer settings is configured by the operating system. Check your operating system manual for information on how this can be configured.

■ **Power Management Mode**

When the H-sync signal / V-sync signal / H and V sync signals from the computer are off, the monitor enters into Power Management Mode which reduces the power consumption to less than 2W. The screen becomes dark. From Power Management Mode, the image reappears in several seconds when either the keyboard or the mouse are touched again.



NOTE

- Even when using the power management mode, the monitor consumes electricity. Turn off the Power Switch whenever the monitor is not in use, during the night and weekends, to avoid unnecessary power consumption.
- It is possible that the video signal from the computer may be on while the H or V sync signal is missing. In this instance, the POWER MANAGEMENT feature may not work properly.

TROUBLE SHOOTING

If the monitor fails to operate correctly, please follow the steps below for a possible solution.

1. Perform the adjustments described in OPERATING THE MONITOR, depending on the problem you have. If the monitor does not get a picture, skip to 2.
2. Consult the following items if you cannot find an appropriate adjustment item in OPERATING THE MONITOR or if the problem persists.
3. If you are experiencing a problem which is not described below or you cannot correct the problem, discontinue using the monitor and contact your dealer or iiyama service center for further assistance.

Problem	Check
① The picture does not appear.	☐ The Power Cable is firmly seated in the socket. ☐ The Power Switch is turned ON. ☐ The AC socket is live. Please check with another piece of equipment. ☐ If the blank screen saver is in active mode, touch the keyboard or the mouse. ☐ Increase the Contrast and/or Brightness. ☐ The computer is ON. ☐ The Signal Cable is properly connected. ☐ The signal timing of the computer is within the specification of the monitor. ☐ If the monitor is in power management mode, touch the keyboard or the mouse.
② The screen is not synchronized.	☐ The Signal Cable is properly connected. ☐ The signal timing of the computer is within the specification of the monitor. ☐ The video output level of the computer is within the specification of the monitor.
③ The screen position is not in the center.	☐ The signal timing of the computer is within the specification of the monitor.
④ The screen is too bright or too dark.	☐ The video output level of the computer is within the specification of the monitor.
⑤ The screen is shaking.	☐ The power voltage is within the specification of the monitor. ☐ The signal timing of the computer is within the specification of the monitor.
⑥ No sound.	☐ The audio equipment (computer etc.) is ON. ☐ The Audio Cable is properly connected. ☐ The Volume is turned up. ☐ The Mute is OFF. ☐ The audio output level of the audio equipment is within the specification of the monitor.
⑦ The sound is too loud or too quiet.	☐ The audio output level of the audio equipment is within the specification of the monitor.
⑧ A strange noise is heard.	☐ The Audio Cable is properly connected.
⑨ The touch screen shows no response.	☐ The USB Cable is firmly seated in the socket. ☐ Touch screen driver software is installed.
⑩ The touch position does not deviate.	☐ The calibration function set up correctly.

RECYCLING INFORMATION

For better environment protection please don't dispose your monitor.
Please visit our web site: www.iiyama.com/recycle for monitor recycling.

APPENDIX

Design and specifications are subject to change without prior notice.

SPECIFICATIONS : ProLite T3234MSC-B1

Touch Screen	Technology	Projected capacitive
	Light transmission	90%
	Communication system	USB serial transfer
Size Category		32"
LCD Panel	Driving system	a-Si TFT Active Matrix
	Size	Diagonal: 31.5" (80cm)
	Pixel pitch	0.364mm H × 0.364mm V
	Brightness	350cd/m^2 (Typical), 315cd/m^2 (with Touch panel)
	Contrast ratio	3000 : 1 (Typical: with Touch panel)
	Viewable angle	Horizontal : 178 degrees, Vertical: 178 degrees (Typical)
	Response time	6.5ms (Gray to Gray Typical)
Display Colors		Approx.16.7M
Sync Frequency		Horizontal: 31.47-67.50kHz, Vertical: 47-63Hz
Maximum Resolution		1920 × 1080, 2.1 MegaPixels
Input Connector		VGA(D-sub) mini 15 pin, DVI-D 24 pin
Serial Port		RS-232C In/Out
Plug & Play		VESA DDC2B™
Input Sync Signal		Separate sync: TTL, Positive or Negative
Input Video Signal		Analog: 0.7Vp-p (Standard), 75Ω, Positive Digital: DVI (Digital Visual Interface Standard Rev.1.0) compliance
Input Audio Connector		ø 3.5mm mini jack (Stereo)
Input Audio Signal		1.0Vrms maximum
Output Audio Connector		ø 3.5mm mini jack (Stereo)
Speakers		8W × 2 (Stereo speakers)
Maximum Screen Size		698.4mm W × 392.8mm H / 27.5" W × 15.5" H
Power Source		100-240VAC, 50/60Hz, 1.2A
Power Consumption*[1]		65W typical, Power management mode: 2W maximum
Dimensions / Net Weight		786.0 × 480.5 × 69.0mm / 30.9 × 18.9 × 2.7" (W×H×D) 16.2kg / 35.7lbs
Environmental Considerations		Operating: Temperature 5 to 35°C / 41 to 95°F Humidity 20 to 80% (No condensation) Storage: Temperature -20 to 60°C / -4 to 140°F Humidity 10 to 90% (No condensation)
Approvals		CE, TÜV-Bauart, CU, IPX1*[2]

NOTE *[1] USB peripherals / Audio equipment are not connected.

*[2] IPX1 Standard Compliant : Only front face

SPECIFICATIONS : ProLite T3234MSC-B2X / ProLite T3234MSC-B2

Model Name		ProLite T3234MSC-B2X	ProLite T3234MSC-B2
Touch Screen	Technology	Projected capacitive 10pt touch	Projected capacitive 2pt touch
	Light transmission	90%	
	Communication system	USB serial transfer	
Size Category		32"	
LCD Panel	Driving system	a-Si TFT Active Matrix	
	Size	Diagonal: 31.5" (80cm)	
	Pixel pitch	0.364mm H × 0.364mm V	
	Brightness	350cd/m^2 (Typical), 315cd/m^2 (with Touch panel)	
	Contrast ratio	3000 : 1 (Typical: with Touch panel)	
	Viewable angle	Horizontal : 178 degrees, Vertical: 178 degrees (Typical)	
	Response time	6.5ms (Gray to Gray Typical)	
Display Colors		Approx.16.7M	
Sync Frequency		Horizontal: 31.47-67.50kHz, Vertical: 47-63Hz	
Maximum Resolution		1920 × 1080, 2.1 MegaPixels	
Input Connector		VGA(D-sub) mini 15 pin, DVI-D 24 pin	
Serial Port		RS-232C In/Out	
Plug & Play		VESA DDC2B™	
Input Sync Signal		Separate sync: TTL, Positive or Negative	
Input Video Signal		Analog: 0.7Vp-p (Standard), 75Ω, Positive Digital: DVI (Digital Visual Interface Standard Rev.1.0) compliance	
Input Audio Connector		ø 3.5mm mini jack (Stereo)	
Input Audio Signal		1.0Vrms maximum	
Output Audio Connector		ø 3.5mm mini jack (Stereo)	
Speakers		8W × 2 (Stereo speakers)	
Maximum Screen Size		698.4mm W × 392.8mm H / 27.5" W × 15.5" H	
Power Source		100-240VAC, 50/60Hz, 1.2A	
Power Consumption*[1]		65W typical, Power management mode: 2W maximum	
Dimensions / Net Weight		781.5 × 476.0 × 69.5mm / 30.8 × 18.7 × 2.7" (W×H×D) 16.2kg / 35.7lbs	
Environmental Considerations		Operating: Temperature 5 to 35°C / 41 to 95°F Humidity 20 to 80% (No condensation) Storage: Temperature -20 to 60°C / -4 to 140°F Humidity 10 to 90% (No condensation)	
Approvals		CE, TÜV-Bauart, CU, IPX1*[2]	

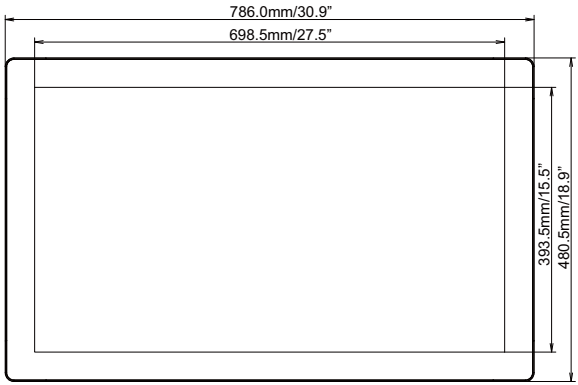
NOTE *[1] USB peripherals / Audio equipment are not connected.
*[2] IPX1 Standard Compliant : Only front face

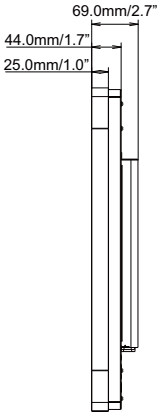
SPECIFICATIONS : ProLite T3234MSC-B3X

Touch Screen	Technology	Projected capacitive 30pt touch
	Light transmission	90%
	Communication system	USB serial transfer
Size Category		32"
LCD Panel	Driving system	a-Si TFT Active Matrix
	Size	Diagonal: 31.5" (80cm)
	Pixel pitch	0.364mm H × 0.364mm V
	Brightness	450cd/m^2 (Typical), 405cd/m^2 (with Touch panel)
	Contrast ratio	3000 : 1 (Typical: with Touch panel)
	Viewable angle	Horizontal : 178 degrees, Vertical: 178 degrees (Typical)
	Response time	8ms (Gray to Gray Typical)
Display Colors		Approx.16.7M
Sync Frequency		Horizontal: 31.47-67.50kHz, Vertical: 47-63Hz
Maximum Resolution		1920 × 1080, 2.1 MegaPixels
Input Connector		VGA(D-sub) mini 15 pin, DVI-D 24 pin
Serial Port		RS-232C In/Out
Plug & Play		VESA DDC2B™
Input Sync Signal		Separate sync: TTL, Positive or Negative
Input Video Signal		Analog: 0.7Vp-p (Standard), 75Ω, Positive Digital: DVI (Digital Visual Interface Standard Rev.1.0) compliance
Input Audio Connector		ø 3.5mm mini jack (Stereo)
Input Audio Signal		1.0Vrms maximum
Output Audio Connector		ø 3.5mm mini jack (Stereo)
Speakers		8W × 2 (Stereo speakers)
Maximum Screen Size		698.4mm W × 392.8mm H / 27.5" W × 15.5" H
Power Source		100-240VAC, 50/60Hz, 1.2A
Power Consumption*[1]		65W typical, Power management mode: 2W maximum
Dimensions / Net Weight		781.5 × 476.0 × 69.5mm / 30.8 × 18.7 × 2.7" (W×H×D) 16.2kg / 35.7lbs
Environmental Considerations		Operating: Temperature 5 to 35°C / 41 to 95°F Humidity 20 to 80% (No condensation) Storage: Temperature -20 to 60°C / -4 to 140°F Humidity 10 to 90% (No condensation)
Approvals		CE, TÜV-Bauart, CU, IPX1*[2]

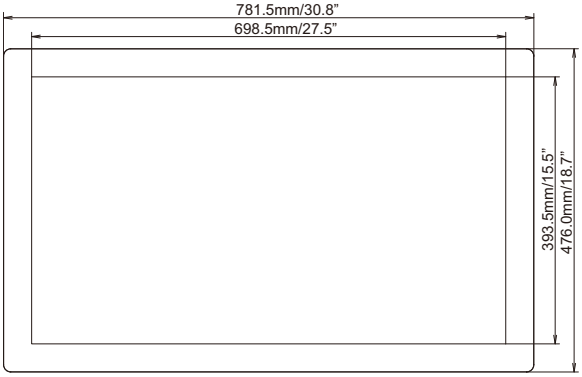
NOTE *[1] USB peripherals / Audio equipment are not connected.
*[2] IPX1 Standard Compliant : Only front face

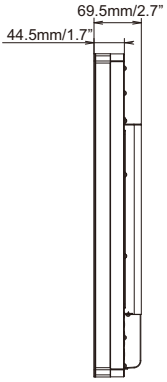
DIMENSIONS : ProLite T3234MSC-B1





DIMENSIONS : ProLite T3234MSC-B2X / ProLite T3234MSC-B2 / ProLite T3234MSC-B3X





COMPLIANT TIMING

Video Mode			Horizontal Frequency	Vertical Frequency	Dot Clock
VESA	VGA	640 × 480	31.469kHz	59.940Hz	25.175MHz
	SVGA	800 × 600	35.156kHz	56.250Hz	36.000MHz
			37.879kHz	60.317Hz	40.000MHz
	XGA	1024 × 768	48.363kHz	60.004Hz	65.000MHz
		1280 × 720	44.720kHz	60.000Hz	74.500MHz
		1280 × 768	47.776kHz	59.870Hz	79.500MHz
		1280 × 960	60.000kHz	60.000Hz	108.000MHz
	SXGA	1280 × 1024	63.981kHz	60.020Hz	108.000MHz
		1366 × 768	47.712kHz	59.790Hz	85.500MHz
	WXGA+	1440 × 900	55.935kHz	59.887Hz	106.500MHz
	WSXGA+	1680 × 1050	65.290kHz	59.954Hz	146.250MHz
	Full HD	1920 × 1080	67.500kHz	60.000Hz	148.500MHz